

Method of Fabricating a Magnetic Transducer with Multilayer Conductive Leads Including a Tantalum Layer, a Chromium Layer and a Rhodium Layer

Abstract

5

A method of fabricating a magnetic transducer (head) according to the invention includes forming multilayered electrically conductive leads for the magnetic sensor which include a thin tantalum seed layer followed by a thin chromium seed layer which is followed by a thicker rhodium layer. The dual seed
10 layer of the invention significantly improves the conductivity of the rhodium. The Ta/Cr/Rh leads can be used with hard bias structures formed on a PtMn layer without having increased resistance.